

CLAIMS

1. A disk device comprising:

5 a traverse unit including a turn table that holds and rotates a disk medium, an optical pickup that performs at least one of writing and reading of information on said disk medium, and a traverse chassis that supports them;

a carrying means that carries said disk medium between a loading position and an unloading position; and

10 a main chassis supporting said traverse unit so that said traverse unit is capable of rotating, allowing said traverse unit to move toward and away from said disk media,

15 wherein said traverse chassis has a pair of coaxial rotation shafts for said rotating, and said main chassis has a pair of supporting portions respectively supporting said rotation shafts, and

20 wherein said rotation shafts have abutting portions capable of abutting against said pair of supporting portions so as to prevent said supporting portions from being deformed in directions away from each other.

2. The disk device according to claim 1, wherein said abutting portions are constructed of protrusions formed on
25 outer surfaces of said rotation shafts.

3. The disk device according to claim 1, wherein said supporting portions include groove portions that open in a direction substantially perpendicular to the carrying
30 direction of said disk medium carried by said carrying means, and resiliently deformable position-regulating members that regulate the positions of said rotation shafts so as to prevent said rotation shafts from being dropped out of said groove portions.

35 4. A disk device comprising:

a traverse unit including a turn table that holds and rotates a disk medium, an optical pickup that performs at least one of writing and reading of information on said disk medium, and a traverse chassis that supports them;

5 a carrying means that carries said disk medium between a loading position and an unloading position; and

a main chassis supporting said traverse unit so that said traverse unit is capable of rotating, allowing said traverse unit to move toward and away from said disk
10 media,

wherein said traverse chassis has a pair of coaxial rotation shafts for said rotating, and said main chassis has a pair of supporting portions respectively supporting said rotation shafts, and

15 wherein said supporting portions are so constructed that said rotation shafts are inserted into said supporting portions in a direction substantially parallel to the carrying direction of said disk medium carried by said carrying means.

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5. The disk device according to claim 4, wherein said supporting portions include groove portions that open in a direction substantially parallel to the carrying direction of said disk medium carried by said carrying means, and
25 resiliently deformable position-regulating members that regulate the positions of said rotation shafts so as to prevent said rotation shafts from being dropped out of said groove portions.

30 6. The disk device according to claim 5, wherein said position-regulating members are elongated members elongated in the direction substantially parallel to the carrying direction of said disk medium carried by said carrying means.

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7. The disk device according to claim 4, wherein said

rotation shafts have abutting portions that abut against said supporting portions so as to prevent said pair of supporting portions from being deformed in the directions away from each other.

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8. The disk device according to claim 7, wherein said abutting portion includes two or more protrusions respectively protruding in different directions.